

THIS MONTH WE SALUTE



FLORIDA SKIP

VOL. 9 NO. 11

The All Florida Radio Amateur's Publication

APRIL 1966

Price 20¢

ARPSC Job In St. Pete

The St. Petersburg Yacht Club again this year asks Ned Harbert K4CNB and the ARPSC boys to furnish communications for the Southland sweepstakes Regatta.

Ned met with officials and talked over plans. They are planning on building a big stadium and enlarging the racing facilities here, in which we will be a part. We are very proud of all those that helped bring Amateur Radio Service to their attention.

It was a cold, cold day Saturday. I think the high for that day was in the low 40's. We all about froze, especially the guys

(Continued on Page 14)

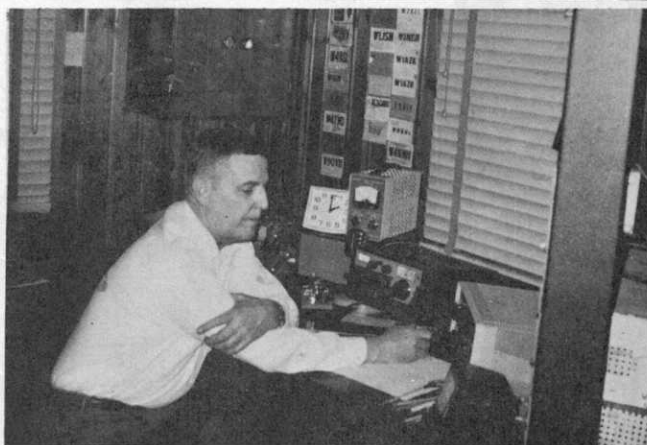
Spring Florida S.E.T.

Keep in mind our Florida Simulated Emergency Test (SET) will be held this year on May 7th. Details of the test will not be announced to all amateurs, but ECs and other section level officials will receive enough advance information to make their plans generally conform to the concept of the exercise.

Each EC throughout Florida is urged to prepare a local emergency drill for AREC members and to take this opportunity to recruit new members for operation in his county's emergency communications plan. This year's test will run from 6 to 8 hours only.

We would like to emphasize

(Continued on Page 9)



We are honored this month to show Art Hale W4AWS of Orlando, who with this neat VHF/UHF station was first to make a QSO thru the OSCAR VI. See FIRST OSCAR VI QSO. (Photo via W4AWS)

1st Oscar IV QSO

(Editor's Note: Here's a letter from Art Hale W4AWS of Orlando, the first to make a QSO via the new OSCAR IV. Art says:)

Here is a photo which I hope will do. The 144mc gear is all in the rack at far right and does not show well. It's a 144mc mixer type exciter driving a pair of 4X250Bs to 800W input on the band. Feedline is RG 14U and beam is 28 gage.

Station receiver is a 75S3 and the basic xmtr is a Drake T4X. 432 mc gear includes a Parks 432-2 transistor converter and an 8-over 8 J-beam. Feedline is RG-17U.

For the QSO with W6YK via Oscar IV, we were both tilted up some 45 degrees and both headed roughly South. The QSO had to be put together in bits and pieces, as the satellite was not operating properly and sig-

nals were chopping up badly.

Bill Hunter, W6YK, was a bit premature in thinking we had QSO, and put out info too soon. Result was that Bill Orr, W6SAI called me from the Cape to confirm. I had to tell him it was still no go—but later was able to call him to confirm the QSO. Then called W6YK to confirm it with him.

The whole thing was a little wild, as the time of activation was 30 minutes later than planned, and then the orbit turned out to be greatly elliptical instead of equatorial as planned.

When we did QSO we had no way of knowing that the satellite was on its way down from a height of 18,000 miles. Not telling what altitude we caught it at. In other words, we were lucky!

All work was on CW.

73, Art W4AWS



BABY its cold out here says Nancy WA4EDL (left) and the St. Pete ARPSC gang during the Yacht Club races. Drinking coffee and eating donuts left to right: WA4EDL, Doug, K4LYS, K4NAN, K4CNB (OM of EDL) and K4AVH. Also not present in photo were WA4JGS, and W4NEO. See ARPSC JOB IN ST. PETE elsewhere. (Photo by W4APV)

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Ft. Walton Beach.

West Palm ARC, Roy Carter, -
W4SFF, 2320 Fairway Dr., West
Palm Beach 33401.

Guest Editorial

What is this public service jazz? It is, in the opinion of this writer, the justification of amateur radio today. We have to justify our use of a goodly part of the radio frequency spectrum. One way we can do this is to spend some of our operating time for the good of the general public. We can do this in many ways. One way is to handle an occasional phone patch for someone in need. This is especially important to the military. Our strongest supporter is the military and this is principally because of the many phone patches run by radio amateurs from military bases around the world.

Another way to render public service is to be a regular on one or more of the many traffic nets in operation. Although the traffic handled during normal times on these nets is not very important you are training yourself for the time when amateurs may be the only means of communication. You are announcing that you are available and can be counted on by your regular participation in an organized net.

You may also operate in the public interest by being an active amateur and a well informed amateur. The more you know about amateur radio and what it can be used for the better prepared you are to operate in the public interest. So how about spending an hour or two this month checking into a net, running a phone patch for a friend overseas, or finding out when the band is open to the South Pole so that you might get traffic into places like this. I think that you will find that these things are just as enjoyable as rag chewing and there will be more of a sense of satisfaction.

W4MVB

F.A.T.T.

Bob Street, W4IET

The Florida Amateur Tele-type Traffic (FATT) net now meets every evening one half-

hour later at 7 p.m. (0000Z) around 3700kcs. The new time change is a more convenient hour for net members also the changing late winter skip provides more QRM free net time.

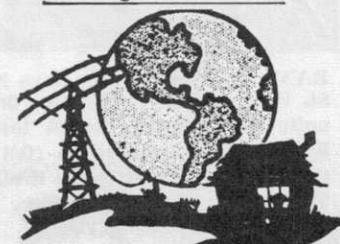
The FATT net is remaining on wide shift until more RTTY-ers are compatible with the narrower mode (170 cycle shift). However, if band conditions go sour, stations handling traffic may switch to narrow shift to obtain solid copy. Rex, W4ZAG NCS, is able to copy any shift from practically zero to 900 cycles, so don't hesitate to check into the net with any width shift (anything 900 cycles and under is legal).

New members added to the roll call the past several weeks are: W4TJU, Doug, in Orlando. (Doug designed and wrote a fine article a few years ago on his famous W4TJU converter and through his article brought many amateurs over to RTTY.) W44SVU, Ralph, in West Melbourne and K4QKA, Jim, in Melbourne, and W4OKW, Jack, in Satellite Beach, check in regularly also, putting the Melbourne area on the state RTTY

map. Nice to have these devoted RTTYers on the net.

One thing about 3700kc RTTY is that all stations are usually solid copy with each other around the state, however most of the stations are equipped for reper tapeing of a "skipping" station for relay purposes. It's really hard work to relay traffic for another RTTY station. Just flip a switch and watch the originating station do the work for you. If you wish, you can watch TV, wire a kit, and even talk to the XYL while passing traffic. Try that with other modes.

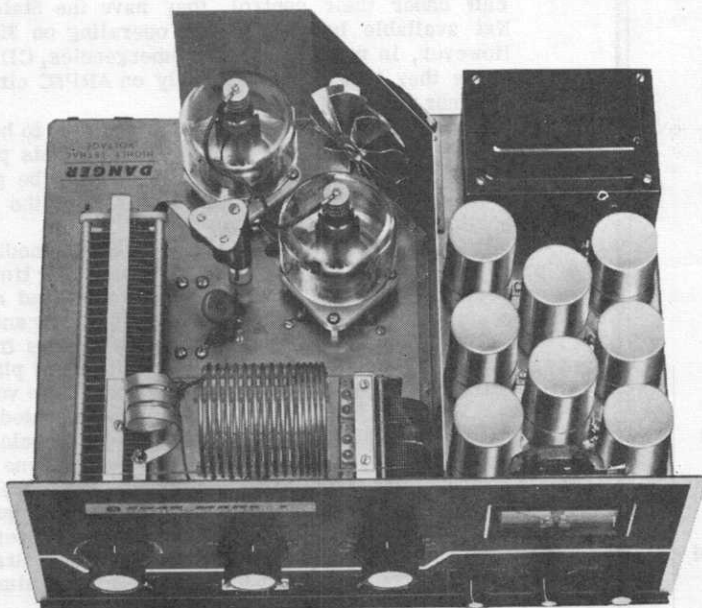
The FATT net had a nice write up in March QST about Florida being the first to have a statewide RTTY traffic net. Also mentioned was a RTTY transcontinental net. Maybe some of the Florida 20 meter RTTY members can get a transcon link to help build traffic. Something to think about. 73's until tonight on FATT. RB.



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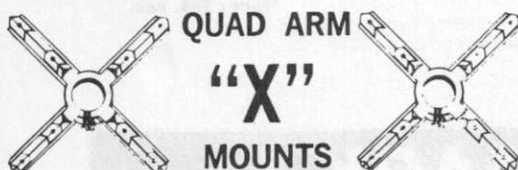
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Updating The Florida ARPSC Emergency Plan

Several changes have recently been made in the Florida ARPSC plan to smooth out alerting procedures and to make better use of our nets. The ordinary operation of the nets during an alert isn't affected much if at all.

The two big changes are these:

- (1) In the future, State Civil Defense officials will request communications help from the ARPSC, through one or both of the Florida SECs, rather than to simply begin operating their own EOC and headquarters stations. If CD officials should feel the need of an amateur radio circuit under their control, they have the State RACES Net available between EOCs, operating on 3990.5 Kc. However, in natural disaster emergencies, CD officials agree they will continue to rely on ARPSC circuits for amateur radio assistance.
- (2) In future alerts, Net Charlie will continue to be alerted first when the emergency situation affects primarily the Florida peninsula. Net Bravo will be generally alerted first when the emergency affects the northern portion of the state.

Actually, both these changes are only subtle modifications of procedures which have been in use for a long time. They were necessary mostly to clarify procedures and eliminate some confusions which arose during the 1965 hurricane season.

The change in Civil Defense procedure results from long experience. The original form of the Florida AREC plan called for splitting communications duties up among three voice nets, with the idea that all three nets would be operated at once. In practice, it turned out that very few emergencies generated enough traffic to keep one net busy -- let alone several. So the usual procedure was simply to alert one net as a general purpose circuit until the traffic volume required the use of additional voice nets. This net was generally Net Charlie. Among other things, the location of Net Bravo down among the heterodynes on 3836 made the circuit almost useless after dark.

The management and members of Net Bravo decided they wanted to do something about the problem so they moved the net to 3950 Kc and asked the SECs to give them a bigger share of the emergency "business." After a series of meetings to which both SECs, both SCMs, the Director, the managers of Net Charlie, FAST Net and the West Florida Phone Net (Bravo) were invited, the SECs adopted the two changes listed above.

Under the new net alerting procedure, both voice nets continue to be state-wide circuits in every respect. They may be alerted by either SEC at any time in connection with an emergency anywhere in the state. If only a single voice net has been activated, obviously, it will handle all kinds of traffic for all agencies, strictly in accordance with the precedences on the traffic. EMERGENCY traffic stops the net in its tracks until this traffic has been cleared. PRIORITY traffic (regardless of the agency or person originating it) is always handled ahead of PRIORITY TWO (welfare inquiries going into a disaster zone) and P-2 is always ahead of ROUTINE. The precedence of the message -- not the originating agency -- determines the order in which it will be handled.

If more than one net is activated, the SEC Bulletin will make net mission assignments at the time the alert is set.

The Florida SECs
W4IYT and W4MLE



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CLUB NEWS

SUNCOAST ROVING REPORTER

By Cathy Soehl, W4BAV

SPARC held their annual Installation Dinner Thursday, January 13th, at the Sand Dollar Restaurant, in St. Petersburg, with 50 attending.

W4JOU - Bob did his usual brilliant job of MC'ing, injecting dry humor & funny stories. He installed as officers for 1966: W4LTE - Wayne, President; W4AIVE - John, Vice President; and W4TDK - Naomi, Secretary - Treasurer. W4CIL - Dolph, outgoing President, expressed his appreciation for the cooperation given him by members the past two years, as he handed over the gavel to Wayne. W4LTE gave a brief outline of his plans & expressed his appreciation for the members faith in him in his election. Certificates were presented to all officers for 1965, at which time Bob gave each a nice little "pat on the back."

The guest speaker was Bob McLean, of Honeywell, who first showed an 11 minute picture of how the approach and landing on the moon will be accomplished. Afterwards, he gave many very interesting facts on the Apollo Space Craft, some of which were that it is 350 feet tall, will be 90,000 lbs., horsepower equal to a string of automobiles, bumper to bumper, reaching clear across the U.S. There will be 3 astronauts sent up; they will travel at 12,000 mph on 2nd stage and then 25,000 mph on 3rd stage. After circling the moon and spotting a suitable landing space, 2 of the astronauts enter the landing bug and proceed to maneuver the bug for a landing. The one astronaut will continue in original orbit, to keep contact with ground control, as well as the bug. The 2 astronauts anticipate spending 7 days on the moon, with only one of them out of the bug at a time for gathering samples and data of the moon's composition, etc. In event the landing proved unsatisfactory, they would blast off the upper section of the bug and rendezvous with the other astronaut, to return to earth.

Honeywell has developed the guiding system to be used in the Surveyor Space Craft, the first of which is scheduled to be sent to the moon for

data March 30th, with a second sometime in August. So it appears the U.S. may put astronauts on the moon sooner than most of us ever thought.

Congratulations to W4KCG - Dick Norloff, an active member of SPARC for many years and also past Sec./Treas. of the Club, who is now making a fine record in his training in the Army's Warrant Officer Aviation Program.

Now that W4BAV - Cathy is in the Sarasota area, she is looking forward to getting more activity on 6 and 2 meters. Maybe a YL net or get-together could be arranged. How about it, gals? Has been good to hear W4-UUD - Nina back on the air.

SO. MIAMI RADIO CLUB

By Charlie Lingo, WA4RSX

It looks like ninety per cent of the members of the South Miami Radio Club will be on 2 meters FM in the near future judging by the number of surplus transceivers purchased during the last month. We apparently have a bottomless supply to draw from. Bud DePau W4FFR is heading up the activity. The takers are over 20 with a waiting line still forming. The fellows are now in the process of collecting items of no value to them, but salable to raise money for club station gear. When the committee reports we will know which Sunday we'll be selling the stuff at the "swap meet" - Tropical Theatre, Bird Road and Palmetto By-Pass.

President Tischer K4KIC is insuring educational as well as entertaining meetings. The club has heard about the design of power supplies from Al Wilcox W4ELR, experiments with quad antennas by Tom Glaze W4NZV, how computers do their job by Fred Roser, IBM engineer from Ft. Lauderdale, and among other programs an animated sound film showing how resistance condensers and inductors work in an electrical circuit, courtesy of Florida Power and Light Co. New members are coming in and attendance is picking up. The ladies are coming along.

On Friday night, March 18th, we will be entertained by Julian Arroyo W4RYF who is a professional hypnotist. This is a meeting for the



HERE is Mr. Walter Johnson W4TKE, (on right with W4IYT) past president of the Gainesville Amateur Radio Society accepting the main 5-year FLORIDA SKIP FIELD DAY TROPHY. GARS racked up the highest score in the state last year and Walt says they are ready to try again during 1966. FD is not far off, are you making your plans you other, clubs - huh? (Photo by W4ANEV)

XYL's and lady friends.

We meet in a log cabin on the Coral Gables Country Club golf course, 1000 feet west of Granada Blvd.

WESTERN FLA. NEWS

By Frank M. Butler, Jr. W4RKH

Pensacola: K4BSS/4 is now NCS of CAN on Saturday night. W4-WKL received certificate for handling traffic with W8FPA/mm.

Milton: W4HEC/4 visited his son, K4NMZ, for a month.

Fort Walton/Eglin AFB: W4JM and W4NN have both been hospitalized recently. A new club, the Play-ground Amateur Radio Club, is being organized; it will meet the last Thursday of each month at the FWB police station. EARS members are sporting new plastic name badges. W4RKH is working on 2-meter FM gear, to join state net on 146.94 Mc. Anyone interested?

Panama City: W4FLJ/FJF put out FB edition of QRV?, newsletter of WFPN. Join the net and get your name on the free mailing list. K2-SBV/4 has a 2-meter transverter on the air. W4NRP has a new 2-meter beam with selectable vertical/horizontal polarity. W4IMC will be on 2-meter SSB soon. OBS station W4FLJ copies W1AW bulletins by RTTY.

Tallahassee: Jim Lovette of DAVCO Electronics spoke on field-effect transistors at last meeting of TARC. Out-of-town visitors included W4IKB, W4KCA, W4SIB, W4SRR and W5-GVE/4. The TARC Novice Class has 23 members, and the General Class 5. Don't forget the Spring SET planned for May 7.

WEST PALM BEACH RADIO

By Roy Carter, WA4SFF

The West Palm Beach Radio Club met in the Clubhouse on March 7, 1966, with President Bob Parkman presiding. A lengthy discussion was held on local TVI problems.

Two new members were voted in: John T. Power W4GJD and Bill Jennings W4RQR.

The new emergency Coordinator for Palm Beach County is Bill W4-4RQR. Working as his assistant is Slim Eggert W4AZZ as net control with the first net to meet on March 10th at 9:30 EST on 146.5.

FORT MEYERS CLUB NEWS

By Ken, W4SMK

Our SCM and Asst. Director, Ham Hamel, K4SJH, was a guest at the FMARC meeting in February. As always he had a good talk, and plenty of lively discussion followed. We hope to have more of the League Officials visit us.

Bob Sloot, K4VGN, and Bill Walker, W4SCW, are busy building amateur TV gear for the 432 Mc. band. They also showed interest in OES appointments at K4SJH's urging.

Present at the last club meeting were two DX guests who told us of their experiences. They were Bob Templar, G3RDX/W4, who is the first G to take advantage of the new reciprocal license agreement, and Frank HK3AZ who is an active DX'er from the home QTH.

Windy West, W4LZD, had as a guest this month Cliff Swan who is W8GCN, and who works in communications for ARAMCO in Arabia and elsewhere. Cliff's DX calls include 7Z3AA, and MP4BDM, MAN, QAW, and TAR.

Don Wright, W4LBM went to Miami to take his general test and also second class phone. Don said next trip he will be going for first phone, and later extra class.

We will be looking for some good scores from some of you Lee Co. people who were active in the DX contests. I hope more of you will participate in the Fla. QSO Party this month. Also don't forget the SET coming up in May.

We regret to see that Herb Hoover will not be available again for ARRL President, and hope the board will be able to come up with another good man for the job. Get behind your Director and send him any suggestions you may have. That's W4LVV in Miami, as I'm sure you know.

FLORIDA ARPSC NETS

FLORIDA PHONE TRAFFIC NET --- Daily, except Sunday, 3945 kc, 1200GMT.

GATOR NET (C.W.) --- Daily, 3651 kc, 1330GMT.

FLORIDA MIDDAY TRAFFIC NET --- Daily, except Sunday, 3945 kc, 1700GMT.

TROPICAL PHONE TRAFFIC NET --- Daily, 3945 kc, 2200 GMT.

QFN ALL FLORIDA CW NET --- Daily, 3651 kc, 2330 and 0300GMT.

FLORIDA "FAST" SSB NET --- Daily, except Saturday, 3940 kc, 2300GMT.

WEST FLORIDA PHONE NET --- Daily, 3950 kc, 2300GMT.

FLORIDA AMATEUR TELETYPE TRAFFIC NET --- Daily, 3705 kc., 2400GMT.

SOUTH FLORIDA VHF TRAFFIC NET --- Daily, except Tue., 50,200 kc., 0100GMT.

NOFARS NEWS

By Jesse H. Morris, W4MVB

We regret that we have to report this month that ex-NOFARS member, Bill Struth of Jacksonville has passed away. Bill, W4BHW, was well known around the country for his forty meter work. He will be missed by all his friends.

About twenty-five members of the North Florida Amateur Radio Society, the Beaches Amateur Radio Society, and the Duval County AREC took part in the annual "Good Turn Day" in which the Boy Scouts and Goodwill Industries co-operate to gather items donated to Goodwill Industries. The operation was directed by County EC John Witherspoon, W4GUJ. Our two meter FM units were used to coordinate the pick-up operation in which trucks and drivers from local firms participated. The U.S. Navy provided volunteers at Goodwill Headquarters to unload the trucks. This is just another instance of amateur radio being used in cooperation with other activities for the public good.

In terms of long range planning, our President, W4PLE, has been looking into the possibility of having an Amateur Radio Convention in Jacksonville in the future. At this time it can't be said what the results will be or when it could be held if at all, but the prospects look good at this time. We will keep everyone posted on this event.

Local AREC activities are going strong under the guidance of our EC, W4GUJ. John has done a fine job with the area AREC and we are quite proud of his, and our, efforts. Our area nets are growing and we hope that if an emergency should come we would be ready to meet our responsibility as amateurs.

HARS NEWS

By Bill Lynn, K4VAO

The January and February meetings of HARS club of Tampa were held in the Hillsborough County Court House to accommodate the anticipated attendance for these two fine programs. HARS members now number 117 strong including the associates.

The January program was an outstanding Civil Defense film about the Alaskan Earthquake. It was filmed on the scene by eyewitnesses and defined the importance of amateur radio in emergencies.

The February program was an illustrated lecture by Ed Landry, K4TGM, on Solid State Circuitry and its application to amateur radio. Ed is head instructor for the Adult Technical School in Tampa. Some of us club members have come to the conclusion that this solid state business will be with us for a while and so are taking a closer look.

Now for a little this and that: Ray Murphy, W4BNE, is gathering gear to go on 432 mc. amateur TV. Good luck Ray. Louis Bellavia, K4PDR, and several others have been on amateur TV quite sometime. Louis put on a very good demonstration at one of our past meetings. Jim Buzbee, K4QNX, has obtained a teletype and expects to be on the air very soon. Bill Lynn, K4VAO, has been named to the Board of Directors. Hereafter, all HARS meetings will be held at our club house in North Tampa.

Our officers are doing a fine job and deserve a lot of thanks.

See you at the Orlando Hamfest.

GAINESVILLE

By Bill Wells, K4RDP

Hurrah Hurrah. Our RACRS Plan finally went through and our EC Mich W4UUW, Walt W4TKE, Dorsey WA4-BMM and Mr. Pete Bethel of CD Headquarters are looking forward to a real "knock-down-dragging-out" full scale Simulated Emergency Test. We have also installed an antenna for Ten Meters and Eighty Meters on top of the County Court House with CD Headquarters in the basement, to work also with ARPSE System. Also we have installed a Ten Meter antenna and Base Station in the Alachua General Hospital. This will allow us to work directly with CD Headquarters. Plans are also being formulated to have installed a similar set-up at the Univ. of Fla. Medical Center and at Campus CD Headquarters. With our Ten Meter Mobile Units and with a tie-in with Bradford, Columbia and Levy Counties, this will give darn good area coverage whatever the Emergency. Hatz K4JUZ in Lake City working on his base station and with a 50 foot tower, should have no trouble reaching Gainesville. Paul K4PVP in Gulf Hammock (Levy County) will have a 40 foot tower on top of his Shack and will be putting in a better signal than ever before. So now Our Emergency Tests can have a broader and greater meaning.

Would like to congratulate Gene W4YGT on his VERY INTERESTING letter to 73 Magazine in re: Gravity as a Means of Communications. These articles proposed by Gene will be a "little heavy" but will certainly provoke thinking in that direction. Seems as though the Radio Spectrum is going to become an outmoded method of communications in time. If you have any ideas and thoughts on this matter you may want to correspond with Gene.

Well, we're going to have the honor of having Ham Hammel, K4SJH as our Guest of Honor at our next meeting. It will be a dinner meeting held April 5th. 73, Bill.

VBARC

By Dennis Yantz, WA4YFY

Neal Richardson, one of the boys who took our code and theory class, is now WN4CEZ. Neal says that as soon as he gets some equipment, he'll be pumping some RF into the 40 and 15 meter novice bands. Neal has a nice fist, and I know you'll enjoy working him.

At the last meeting of the Vero Beach Amateur Radio Club we had three visitors. Mr. Rose, a Vero man who is interested in radio and Ike and Lloyd Roach W3ABI of Bryn Mawr, Pa. We also gained a new



This big smile and neat station belongs to Dick Wagner W4KCA of Cypress, Florida. Dick works mostly on 2, 80 and 40 phone with it modified ART-13 and HW-30TH. KCA has up a 16 element horiz collinear and 3 element vert collinears plus 80 and 40 meter dipoles. (Photo by W4IKB)

member at that meeting. Saben W5-OMZ joined the club.

I. J. WA4SCK who attended the Hamfest January 22, told us about some of the interesting things he did and saw at the festival. We certainly appreciated this as most of us were unable to go to Miami. I. J.'s fingers are healing nicely. Of course we're all happy to hear that his encounter with a lawnmower was not serious enough to cause extensive damage.

From what I understand, the 2 meter band is starting to shape up a bit. Although I haven't been on very much, almost every time I do go on I hear someone new. This suits me fine because I can't see any sense in having a band as nice as 2 if no one uses it.

Richard Jackson, WA4RQB, president of VBARC, now has an XYL. He was married January 22, 1966. Best of luck to Richard and his XYL, and

wishes of many happy years from all of us at the club.

SARASOTA AMATEUR RADIO

By Dick Tesar, WA4WIP

The club had its election of officers in December and the following were elected: President, Larry Loper, W4WHF, Vice-President, Bill Quigley, K4QHN, Secretary, Dick Tesar, WA4WIP, Treasurer, H. H. Osburn, K4DYB, and Activities Manager, Ned Buck, W4TXE. The officers took over as of the first meeting in January. At that meeting, ARRL technical assistant, Lewis McCoy, W1ICP, attended and was the main speaker, giving an interesting talk on antennas and antenna systems. The meeting was well attended by hams from Sarasota, Bradenton, Venice, and Arcadia. (Continued on Page 9)

ARPSC NET TOTALS

NET	QNI	QTC	SESSIONS	AVG TFC
FAST	851	322	24	13.4
GATOR	220	134	28	4.8
WPTN	593	203	28	7.26
FMTN	553	347	24	14.5
TPTN	610	214	24	8.92
QFN	594	521	56	9.3
RATT	153	31	28	1.1



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BQW. Those who qualified at 40 wpm were: AD4LUO, A4-ZXI, AD4ESL, AA4AZ, A4DRD, and AA4AO. Those who reached the amazing pinnacle of 50 wpm were AA4DLG, and AA4SJH. They have all received the spec-

Here and there. Happy to see so many faces on the GreenKeys every Sunday, among them A4-WPQ, and AD4WVE. Remember the new net time for Fla. 2 is 1 P.M., EST, for TWO

hours. Should give everyone enough time for comments now, and certainly gives us better frequency conditions at that hour. This move, of course, puts the Alfa and Hotel nets BACK at their regular times on Sunday nights, so don't forget to check in! Larry, AD4RON, is the latest to succumb to those little audio compression amplifiers, and it really helps the old sig. AD4IHH, AD4WVE, and AA4NTA are setting up for AFSK on the two meter frequency. Anybody else interested?

DON'T FORGET the big Third Army Annual Mars Conference at Fort McPherson, on April 2nd!

2nd! We'll give you a report next month. 73's.

Homey Homebrew

By Dick Blasco, WA4DHU
Special Assistant to Editor

Part IV of a Series

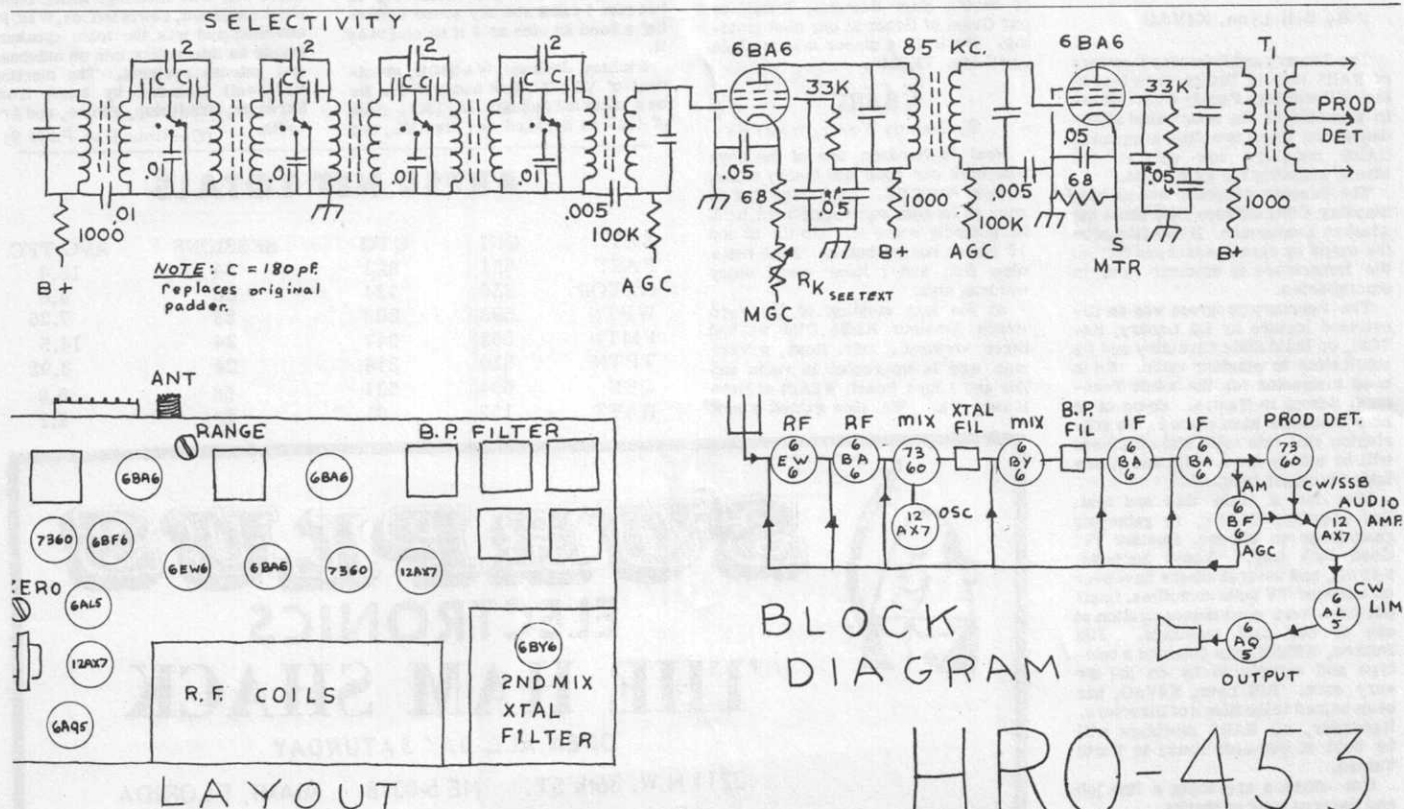
The schematic this month is of the IF section of the receiver. Circuitry is straight forward a la Handbook. Five 85 kc transformers are used to form a bandpass filter with variable selectivity as shown in the diagram. The "BROAD" position will provide about 2 kc selectivity with very steep skirts, while the "SHARP" position should give around 500 cycle CW selectivity. The larger the capacitance switched in by the

selectivity switch, the less coupling and greater selectivity. Rx in the first IF cathode circuitry is used to give constant gain as selectivity is increased, and its value should be determined experimentally. The second IF cathode resistor must go directly to ground, as the S-meter circuit is tied in here and would disable the manual gain control if the resistor were tied in to it.

The layout diagram is intend-

ed to give a rough idea as to how the circuits were arranged on the HRO chassis. A block diagram is also included this month to give an overall view of the receiver's design.

Next month I will finish the series of schematics with the front end, and the final articles of this series will include additional construction hints, alignment procedures, and comments on performance of the finished receiver. 73 till next month.





FLORIDORA News

By Cathy Soehl - W4BAV

Once again, Pres., Ev-K4-UIZ urges everyone to mark their calendars for April 30/ May 1st, with plans to attend the annual Orlando Hamfest, where the Floridora Birthday Party and annual business meeting, with election of officers, is held. As it is dues time, please send them in to K4TBG - Kay, Treas., and prevent confusion at the meeting. Another "MUST" is PLEASE all vote when you receive the ballot! Let's have a better percentage of return than has been the case in past few years.

It is with regret, that we must inject a bit of sadness in this column. It was quite a shock, after sending in the copy last month, to learn that our Floridora Godfather, W4FE - Art, had joined the Silent Keys, Jan. 26th. Our heartfelt sympathy to K4ANR - Ruth, his XYL and Son. As a memorial to Art, the Floridoras are negotiating with the FCC requesting that W4FE be made the official Floridora call, instead of the present WA4RXP.

W4UF - Dot is going on a Mediterranean Cruise, on the S.S. Independence, and WA2WUW/4-Margaret is taking the same cruise... K4HSC - Meg is selling their house in Coral Gables; will move to Sebring, where they are building a home on a lake. ... W4CWV - Annette will entertain W4UF and OM - George, when Dot embarks on her trip from Ft. Everglades... WA4FJF - Ellen, welcome back to Florida... K4RNS - Marge proud of the new SWAN 350, using it Mobile, mostly on 75 meters and leaving the Collins on 20-meters. Lazypeople!... Rig trouble sometimes keeps

Spring Fla. S.E.T.

(Continued from Page 1)

that the basic Florida AREC Manual is still in effect; the only changes being the frequency of Net Bravo (3950 vice 3836) and the deletion of pages 19 and 20 (due to changed AM-CROSS/ARRL agreement).

The date again—May 7th, 73, Fla. Secs W4IYT/W4MLE

W4CWV - Annette and K4ZXS - Georgia off the net. K4WXS - Lee checks in before meetings sometimes.

Feb. 19th, there was a gay time at the QTH of W4WPD/W4UFR - Shirley and Earl, when W4IUR/K4VNA - Mim and Walt, of Daytona Beach, arrived and were joined by W4BIL/W4WME - Fran and Bill, of Clearwater, and W4BAV - Cathy, of Sarasota. W2JHM - Bill, Cathy's OM, was "grounded" with a cold so missed the fun. They "yacked" up a good appetite by 6 PM, when they congregated at Morrison's for dinner. Afterwards, more "yacking" at the Hill's, with refreshments, until the group finally had to bid farewell and went their various ways, after a most enjoyable time.

SARASOTA AMATEUR

(Continued from Page 7)

Many of the S.A.R.A. members journeyed to Miami to the Hamfest and seemed to thoroughly enjoy the trip, especially, talking DX to expeditors such as Gus, W4BPD, Harold, ZD8HL, Rick ZD8RB, and others. Future programs for S.A.R.A. meetings were discussed with the VP2VD boys and we hope to have them for a future program.

At the February meeting, General Telephone Company presented a program on the North American Air Defense in which a call was placed to the headquarters at Colorado Springs, Colorado.

A local 6 meter net has been established on 51.18 primarily for the transmitting and receiving of DX information between local hams. So far it is working fine and as others join the frequency, it will become very active.

Several local hams are very active on 3970 at 1430 GMT (9:30 AM) in which many of the tourams (Tourist Hams) join in with old friends from all over the US. They welcome anyone breaking in at this time. Also, the International Net is used quite extensively on 14235 by local hams. S.A.R.A. is an active and going club, so look out for field day and other contests. Competition from us could be keen.

THE GOLDCOASTERS

By Raymond F. Guy, W4AZ

As we approached the height of our season, increasingly large attendance

marked the luncheon meetings on Jan. 17, Feb. 7 and 14, and March 7 at the CAPTAIN'S TABLE at Deerfield Beach. Guests will be cordially welcome at the next meeting, as usual, at noon on March 21st. The welkin rings with vocal static from the eyeball QSOs of 65 bouncy retirees and a few working stiffies who were our guests. The Mar. 7th meeting was a dilly.

Guest Bob Mattox, not satisfied with a full working day as a ship radio operator, "sparks" to you, spends the rest of his time working hams and teaching his Captain and other fellow officers to become radio operators. He plans to train them, turn his watch over to his Captain, and spend all of his time working Hams. This erudite scheming is vastly admired for the insidious and slick manner in which the Skipper is being gulled, especially by some of us who painfully remember the cantankerous ogres under whom we served in the dim past of our youth. Shades of Davy Jones! And we did it for \$25 per month! And we would have done it for nothing, if necessary.

Guest retired USAF Colonel Harry Copland brought a 1910 vintage "jigger," later known as a "loose coupler," to the meeting and stirred up a storm of reminiscences of a gutsier era when budding geniuses built their own transmitters and receivers from the ground up, when hams understood the significance of the terms when one mentioned Ford spark coils, salvaged glass photograph negative plates, Walliston wire, carborundum, galena, silicon, py-

(Continued on Page 13)

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By Jim Wilson,
WA4RXG
NØWCK

In addition to the normal activity on our training and traffic interchange nets, this past month we had a considerable flow of Viet Nam traffic.

Several hundred of the outgoing messages came to the Navy MARS nets through the BARC and the Ft. Lauderdale News which had announced this special service to its readers. Additional blocks of traffic are now coming from Tampa and other areas. The traffic goes to gateway stations on the West Coast where it is put on RTTY to Hawaii and into NØEFA and NØEFB in Viet Nam.

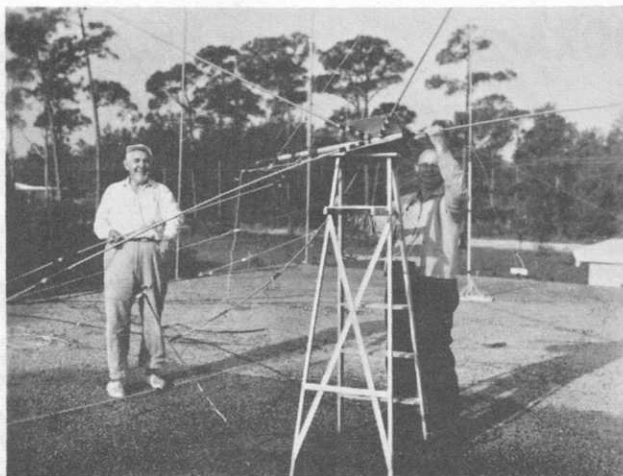
Many messages are also arriving from the servicemen to their families so our MARS stations down in Viet Nam must really be busy. At least one of our Navy MARS stations is putting through fonepatches to the States and is doing much for the morale of the troops.

The 5 PM traffic net in South Florida is proving to be one of our most active nets. Among those most frequently participating are NØGAL, St. Pete; SQB, Lake Wales; SDU, Palm Bay; UUL, Maimi; UVV, Boca Raton; UNW, Largo; ZAO, XTC, WCK, Ft. Lauderdale; ZCX, West Palm Beach; ZHX, Miami, ZTU, Clearwater—Also usually present is SPD of Leesburg who is the liaison between N.E. and So. Fla. nets. For brevity the NØ on these calls is omitted.

An RTTY net on 7301 KC at 2000Z is being evaluated for entire District operation. NØAYR, EBD, and WYK are representing this area.

This correspondent would be glad to furnish information about the Navy MARS program.

10 FLORIDA SKIP, April 1966



What is it? Ask K4GZ and W2YJM. Hurricane Betsy twisted Charles (GZ) cubical quad into a real mess. See A SHORT TALE ON A DAMN YANKEE below for details.

(Photo by W2CE)

"A Short Tale of Damn Yankee"

By W4ZO

The Golden Zipper—K4GZ (Ex W2GZ)—Cal, and W2CE—"Moose" (Century Express), have been friends for nigh onto 40 years. Hurricane "Betsy", ordinarily a gentle gal, in 1965 twisted GZ's Quad antenna into a pretzel (See photo.) So-o-o, these friends could not communicate on 20-meters, therefore, CE came down South to help. W2HJM—Bill also migrated South. After visiting at the recent Hamboree, in Miami, the three convened at GZ's locale.

Before they departed on their devious separate ways, "Moose" (CE) suggested they fix GZ's antenna. They scrambled onto the roof and started to untangle the twisted wire from the quad. Their #12 feet were often entwined about the wires before the job was done. GZ, "the Supt." had a "plan" to use for the job; "Looks like an inverse duplex!" he quoted. (Vintage of 1925). "Let's take the wires off and straighten the radials one at a time," suggests HJM. "No, let's take it all apart and straighten them on the ground," says CE. "No, I'll loosen one at a time on the roof," says GZ.

"Farmer Louis," GZ had a garden. To divert attention, "Moose"—CE comments, "What is that goat doing at your eggplants, GZ?" Undaunted, GZ would not be diverted. "Ask him!" he retorts.

While unfouling a clamp, a wrench slipped and nicked CE's finger. "I'm wounded!" cries CE. "HMMM, the 'Moose' is wounded," comments HJM. It looks like "Betsy" wanted to blow you Damn Yankees back up NAWTH," says CE—"Moose".

After the quad was straightened, it was put back together again. "We ought to tie ropes to each of the arms to prevent any more winds from turning the quad inside out again," suggests HJM. "Got any rope, GZ?" asks CE. "Got no rope!" he retorts. He eyes the XYL's plastic clothes line.

The XYLs (Betty, Mina and Cathy) were yacking and reclining on patio. GZ heads for, and starts pilfering the plastic clothes line. Mina protests. "OH, shush, gal! I'll get you a clean new line tomorrow." So-o-o, the ropes were added, the quad hoisted up again to brave the possibility of a subsequent storm. "Damn Yankees?" muses GZ. "Damn good antenna," says CE. "Damn nuisance," quotes HJM.

Code Practice Anyone?

By "HAM" K4SJH

Many "Hams" have expressed a desire to bring their code speed back to the basic requirement for the general class license at least. Some wish to bring it up to that which will be required for the possible newer classes of license.

W1AW and other stations have schedules to provide this service but complaints have been heard regarding interference and schedule time problems which sometimes make things a bit sticky.

This station, an Official Bulletin Station, is offering an opportunity for some amateurs to not only copy bulletin information but to get some code practice as well. Transmissions are daily at 0930 EST on a frequency of 3675 Kc. crystal controlled running approximately 100 watts input. Reports from the St. Petersburg area indicate that signals are excellent. At present the speed employed for the entire broadcast runs somewhere between 15 and 18 WPM for a 30 minute period.

This schedule may be modified to suit those interested in copying. If enough requests are received the schedule time will be changed to run from 0900 EST to 0955 EST and speed runs provided as required. Speed is estimated only.

We suggest that others might consider this type of service which seems to be a worthwhile endeavor. OBS are particularly suitable if they can arrange to extend their present schedules and speeds to include this service.

For those working on 30-50 WPM speeds listen for AA4KHT (MARS call) in Miami on 4025 KC at 10 A.M. each Saturday.

270,567

The Radio Amateur CALL-BOOK magazine (regular Skip advertiser) says in the new Spring issue, "In this issue --- 270,567 licensed radio amateurs in the U.S.A. 126,128 licensed radio amateurs outside the U.S.A." The CALL-BOOK goes on to say, "2,413 new licenses issued since their Winter edition, with 2,600 changes in addresses etc." Get your latest copy of the CALL-BOOK at Amateur Radio Center or Electronic Wholesalers.

The Florida Side-Banders Assn.



By Jesse H. Morris, W4MVB

Spring is sprung, or will have by the time you read this. This is the time of year when a young man's fancy turns to baseball and other things. Baseball can't get you into too much trouble but it is those "other things" you have to look out for.

This year's Powder Puff Derby will begin in Seattle, Wash. on July 2 and terminate in Clearwater on July 5th. W4IRA has been asked to help with the communications on the Clearwater end and Herb is making it an Association project. We will need communications through the entire race on both the local level and the long distance level. Anyone who would like to participate in this activity should get in touch with Herb and volunteer your services. This should be an interesting operation and there will be plenty of news coverage both on the local and the national level. This is a good time to put amateur radio in the limelight again.

February brought only one new member into the Association. Mr. Charles T. Wooten, WA4IMC, 1123 Grace Ave., Panama City, was certified as member number 256.

Plans are all complete for the social activities at the Orlando Hamfest on April 30th and May 1st. There will be a Side-Banders dinner on Saturday night at the same time as the main banquet. The cost of the dinner will be \$5.50 and will include the entertainment to be presented afterwards. Registration for the Hamfest will be \$1.00. All members or associates who attend the Hamfest will be credited with a check-in so you won't lose your place on the roll. Please make an effort to sign the roster at the registration desk or at the dinner so we can count you present.

Making PEP during the month of February were: Art, W4DKJ and Maury, WA4IYG. Congratulations!

The new membership list and the latest copy of the Constitution and Rules of the Association is now being printed and it is hoped that these will be in your hand before you read this.

It is midnight here on the deadline date. As the saying goes "next month we have to get organized around here." Until then 73 and good luck.

New ARRL Operating Manual

The "hold" on the ARRL Operating Manual has ended, and the count down has resumed. The latest word on possible publication was early spring, additional delays permitting.

It has been well over two years in the writing, and the excellent quality of the work shows on every page. So plan to invest two bucks (or less) in the best bit of literature the ARRL has published so far. You'll use it for traffic, for general operating, for emergency operating if needed, and for contests, no matter whether you are a green beginner, or hold OOTC membership, this manual is worth the investment.

RTTY Does It Again

(Editor's Note: Here is another perfect copy via RTTY from W4ZAG in Tampa to W4IET in Miami Springs. Thanks men.)

NR 35 R W4ZAG nocheck Tampa Florida March 8, 1966 1700Z TO: Andy Clark Editor Florida Skip Miami Springs Florida. BT

TAMPA AMATUER RADIO
By Don Fischer WA4CJG

The Tampa Tribune came up with an idea to give people an opportunity to send messages to service personnel who are stationed in Viet Nam. These messages are sent through "hams" who live in the Tampa area and by Tampa Amateur Radio Clubs station W4DUG. So far good participation was realized with over 100 messages being relayed the first week. We are happy to be able to take part in this wonderful cause.

March 7th was the annual election of officers for the club.

The following are the new officers and directors for the next year.

President: Glen Averill, WA-4LLU; Vice President: Dan Reynolds, WA4COP; Secretary: Charles Marrow; Treasurer: Don Fischer, WA4CJG; Board of Directors: Geo. Mc-

Elvey, WA4SWL, Bernard Glasen, WA4KIW, Jim Bingham, W4KRC; Ralph Cody, W4BNI, and Frank Haines, WA4GDS; Trustee: Earl Miller, K4HFF; Editor: Marvin Bostian, WA-4HDK.

On March 21st the installation of officers was held at the Embers Restaurant in Tampa. Approximately 30 members and wives were present when outgoing president Marvin Bostian handed the gavel to incoming president Glen Averill.

The Novice Code Class completed the course and examinations were held. At this time no word has been received from FCC as to the number that passed the examination.

Your Editor wishes to thank everyone who made this job as easy and interesting as I have found it to be. Many friends were made and I hope that my contacts with them will continue as they have in the past. Again, thanks, and hope that the new editor will receive the same cooperation that I received during the past year. 73.

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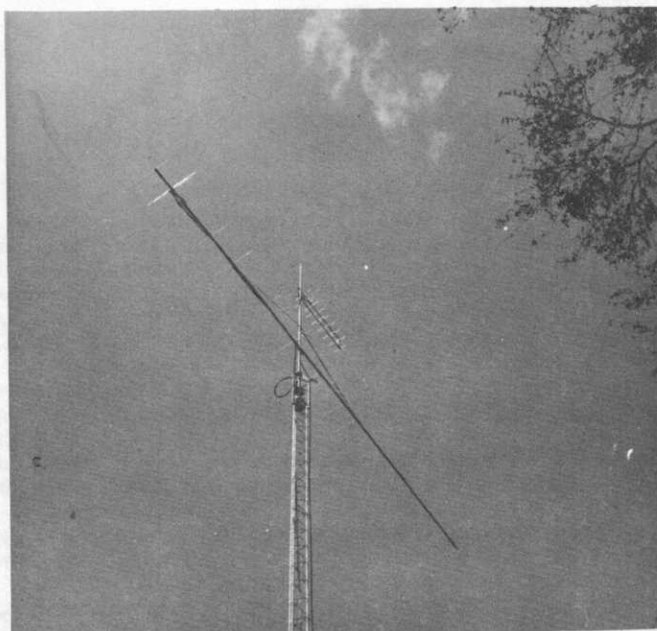
(Clip out and save)

Florida Traffic Guide

Listed below is a complete active roll call of the Florida Midday Traffic Net. Please clip it out and keep it with your log. Each month we hope to publish each Florida net which can be clipped together and used as a FLORIDA TRAFFIC GUIDE. Other net managers are hereby requested to submit a complete active roll call to SKIP for publication. OK? Tks. AC.

(FMTN daily except Sunday Noon on 3945 kc)

WB4AIW	Birch	Bradenton	W4LDM	Whee	Orlando
W4AKB	Charlie	Miami	K4MTP	Gene	New Pt. Richey
W4BMC	Bertha	Lake Worth	WA4OWG	Henry	Lakeland
K4BNE	Rick	St. Pete	W4PYU	George	St. Cloud
WA4COR	Win	West Palm	WA90S0/4	Al	Eau Gallie
K4DAY	Herb	Bradenton	K4OCG	Ken	St. Pete
W4DFU		Gainesville	WA4RQR	Bill	West Palm
WA4ESL	June	Ft. Pierce	WA4RXG	Jim	Ft. Lauderdale
K4EYV	Hank	Davy	WA4SCK	I.J.	Vero Beach
WA4FGH	Joe	St. Pete	W4SDR	Clyde	DAB
W4FP	Tom	Lakeland	K4TBH	Al	Cape Canaveral
WA4GDC	Kris	Sebring	W4TJM	Ed	Bartow
WA4GDS	Frank	Tampa	W4TUB	Fred	Ft. Myers
W4IE	Charlie	Sarasota	W4YPX	Ron	Jacksonville
K4ILB	Dan	Holmes Bch.	WA4YRU	Chet	Eaton Park
W4KIS	Ken	Winter Park	WA4DEL	Jim	Clearwater
W4KRC	Jim	Tampa	WA4LBM	Don	Ft. Myers



W4AWS and W6YK both tilted their beams up about 45 degrees when making the first 144/432 mc QSO via OSCAR VI. Here is a shot of Mr. Hale's beautiful beams. Congratulations to a real VHF'er! (See story elsewhere)



SCM's CORNER W/F

FRANK BUTLER, W4RKH

Being fond of statistics, I was going through my records of ARRL Official Phone Station (OPS) and Official Relay Station (ORS) appointments last week and comparing them with the net membership of the West Florida Phone Net and the West Fla. membership of QFN, the All-Florida CW Net. QFN has 9 reg-

ular members in West Florida, 7 of whom hold ORS appointments. WFPN has about 50 regular members on the roll, of whom only 12 hold the OPS appointment. Or, to put it another way, 78% of the CW men hold League appointments and report their traffic to the SCM every month, while only 26% of the 'phone men do. I don't know what this proves, but I'd like to see every member of WFPN hold OPS and report his traffic and station activities to me, by radiogram or using the convenient ARRL Form 1 postcard. Other stations are interested in reading of your activities in of your activities in QST every month, and ARRL uses the traffic totals to help justify the retention of our ham bands at the frequency allocation conferences.

While on the subject of station appointments, don't forget that OO (Official Observer) appointment. In addition to the continuing need for self-policing in our ham bands, there is a special need now to watch for and report intruders in our bands. Of course, you don't have to be an OO to do this; just note the time, frequency, and emission, any identification, etc. ARRL has a special form available on request. As pointed out in several ham magazines recently, not all countries are bound by the 1959 Geneva Convention. Broadcast stations, for example, can be operated in portions of the amateur band as long as no interference is reported by the country authorizing amateur operation only. If no complaints are made, the next frequency conference will more than likely authorize broadcasting in that ham band, and it will be too late to complain about intruders.

Meanwhile, back in West Florida, more and more hams are using that interference-free band, two meters. 145.2 Mc. has become the accepted frequency for long-haul QSO's, as well as the local intercom for the Fort Walton Beach area. Panama City is using 146.97 mc for intercom, while Tallahassee is using 145.35 mc. Pensacola has several 2-meter stations, but they are using 29.560 mc as their local intercom net, I believe. An intercom net, or frequency, to me is one which is monitored at all times you are at home, not just when you want to work someone. The working of groundwave DX on 2-meters by pre-arranged skeds is fine, but I wish that these and all West Fla. hams would monitor their local intercom frequency at all times. If you are interested in public service and providing emergency communications, you can help this way. Remember, emergency calls do not come at a pre-arranged time, or from a pre-arranged direction!



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GOLDCOASTERS

(Continued from Page 9)

rites, ozone, jigger, loose coupler, Phillips code, short continental, Thordarson transformers, Edgecomb Pyle transformers, Walter B Duck, Adams Morgan, Electro Importing Co, oscillation transformer, litz, etc, ad infinitum, and when the boom and ozone from a rotary gap were heady medicine, indeed. And when 500 mile DX was accomplished the hard way on 200 meters sans SSB, tubes, beams, etc.

Believing that the GOLDCOASTERS looked pale and wan, Prexy George Ruos hastened to Delaware to get each GOLDCOASTER another bushel of apples, and missed the Mar. 7 meeting. Among our Feb. 14 guests we had Bill Halligan. The GOLDCOASTER roster has grown steadily to over 100, but at the last meeting a few were eliminated after they had moved out of the area, etc. Taking the bit in their teeth, without being asked, the members at the last meeting dug into their pokes and showered down \$51 to fatten up the mattress, thereby making Old Moneybags very happy. And perhaps some other Club Treasurers who read this, if any do, very envious. Send for a copy of the free booklet, "HOW TO CON MEMBERS OUT OF MOOLA."

BARC

By Jim Wilson, WA4RXG

To tell the Broward County hams about BARC activities, the Club secured from FCC files (through hard digging by our secretary) a current list of hams in the county. Then, copies of the club paper were sent to the entire list of 735 hams.

At our February meeting the following hams were voted in as new members: Mildred Craig, K4JGU; James Rogers, WA4Z BA; Rose Sullivan, W4OCA; Dana Bauer, WB4CFM; Roy McCarty, W4RM; Donald Johnson, K4FTM; Robert Roberts, WA4KSF; and David Tyson, WA4QJ.

At that same meeting six hams responded to the call to exhibit home brew equipment, all of which was very ingenious. The Ft. Lauderdale News printed a picture of the cakepan transmitter made and exhibited by Dana Bauer, WB4CFM.

ORLANDO RAMBLINGS

By Hal, W4BKC

Well if you haven't contacted Bob, G3RDX/4 by the time you read this it's too darn late as Bob will be on his way back to Merrle Old England. It was a FIRST for Bob under the

recently enacted reciprocal licensing agreement. We kinda lost track of him after he took off from Orlando but have heard of several who have worked him so far. I'm sure he had a ball on his "Holiday."

The tickets and the info sheets for the Orlando Hamfest went to the printers last week so keep an eye out at your electronic store or club, as they will be distributed soon. Plans seem to be jelling nicely. Changing the Sunday luncheon to the Saturday nite supper seems to meet with everyone's approval.

The entertainment and dancing to follow the supper will give you time to digest your meal before you start tripping??? the light fantastic. Maybe some of it will be fantastic, come and see.

The Central Two RACES net will only meet on the first Wednesday of each month until further notice. No use tying up manpower now that fairly reliable communications with the five counties has been achieved. WA4SCK, LJ, has had considerable difficulty over the past few months, but that situation seems to have resolved with the appearance of WA4WAJ, Spence, who puts out a real respectable signal from Ft. Pierce. He was readable 5-8 to 9 in Orlando, and puts Indian River County back in

the "Counties heard" file.

As a postscript—heard from Bob, G3RDX/4, he had some rig trouble which cut down on his contacts score. He attended a Ft. Myers Club meeting, got a ticket for passing a red light, a little Americana not on his schedule. We wish you a pleasant trip home Bob and hope you can come over again, 73.

SUNCOAST VHF CLUB

By Nancy, WA4EDL

Hello again. I've been put back to work in more ways than one. Would like to start this years column with congrats to the new Club officers President: K4NAN Brian Felps, Vice Pres: K4CNB Ned Harbert, Secretary WA4EDL Nancy Harbert, Treasurer: WA4EEZ Leslie Johnson Net Manager: K4HQA Art Bond, Program and Publicity Chairman will be appointed at the March meeting.

Got a land line from Cathy W4BAV, back in town for more transfer of belongings to the new QTH in Sarasota. Got their rigs working again and so good to hear her.

WA4ILY Pic has another new toy—RTTY going on 6 and Navy Mars WA4ZRX (WA8BLS) Don has RTTY too, along with our EC W4FPC Mac. Boy, things around here are really growing. When we get our tower finished we hope to have a 2 meter FM connected with CD for use in AREC and RACES. The best laid plans of Hams etc., working on the miserable tower for 6 months and weather and flu have put off the final sections but soon will have the 70' up.

K4CNB, Ned will have had a hidden transmitter hunt by the time you read this and there will be another later.

We extend to all a big welcome to our meetings the second Friday of each month 8:00 p.m. County CD headquarters. See you there.

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W4YK

Bob David



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Here is one of Florida's best traffic men: M. T. "Mac" McSheehy, W4FPC of St. Petersburg. Mac is also EC for Pinellas County and can be found often on our State QFN CW and other nets. He works all modes of amateur communications and just completed a 2 meter RTTY link to County CD Hq for handling large quantities of traffic. Congts Mac and keep up good job with ARPSC in Pinellas.

ARPSC Job

(Continued from Page 1)

out in the boats. From what I hear the boat crews had a "few things" aboard to help keep them warm. We all had on at least two layers of clothing. Sure not used to cold weather, as you can see from the picture of the gang.

Our thanks to those whose rigs we used: K4CGB, W4OHJ, WA4FEO. Those who worked and also brought rigs, K4NAN, W4APV, K4AVH, K4LYS, W4NEO, WA4JGS. Had more than enough 2 meter gear in use and had 6 meter gear as stand by in case of troubles.

All had a real ball as the guests of the Yacht Club for the week-end of Dog Track, Cocktail parties, Dance, Banquets and trophy presentations. Our thanks to them for a wonderful time. All of us are looking forward to the future events where we can work, enjoy ourselves, and boost the public knowledge of Amateur Radio as a service and help, as well as a hobby.

73 Nancy Harbert WA4EDL

TOP TWENTY TRAFFIC TAKERS

Each month we are happy to list the top 20 Florida Traffic Takers. We hope to see your call here next month.

For February 1966:

1. WA4BMC	BPL	1504	11. K4EVY	BPL	136
2. WA4SCK	BPL	1384	12. K4SJH		119
3. WA4IJH	BPL	1053	13. W4BVE		109
4. WB4AIW	BPL	776	14. K4BY		102
5. WA4NEV	BPL	527	15. K4VND		102
6. W4DFU		358	16. K4NMZ		100
7. W4KRC	BPL	356	17. W4SDR		86
8. WA4IMC		272	18. W4OGX		83
9. WA4NBT		173	19. WA4EOQ		82
10. WA4DEL		146	20. W4AKB		67

FMTN

By W4SDR

February was about an average month for the Florida Midday Traffic Net, except for a continued high level of check-ins. This we greatly appreciate as it increases FMTN's coverage and hence its ability to serve as a traffic handling agency.

There were 24 sessions in February, attended by 553 stations and handling 347 formal messages. Average QNI was 23 and average QTC was 14.5.

FMTN meets daily except Sunday on 3945 kc at 1700Z or 1200 noon EST. AM, CW, or SSB is permissible and all stations are invited. The primary purpose of the net is to handle formal traffic. We are glad to handle informal traffic: phone calls, patches, etc., but in most cases it will be deferred until formal traffic is passed.

Have a good Easter and may its hope and joy remain with you.

73, Clyde

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TO SKIP SUSCRIBERS 1966 CALENDAR

Send self-addressed stamped envelope to: FLA. SKIP, P.O. Box 501, Miami Springs, Fla.

V.H.F.

(VHF - PAM EAST FLORIDA)

Bertha Farr Eggert, WA4BMC

Well hello again. I am finally back and hope to have this column back in SKIP each month. Please excuse the long absence.

Had a nice letter from Al and Zelma Shaw, and they report that their RTTY is going now. Hope we can work them soon on RTTY on 6 or 2 meters. They want all you down in Miami to know that you should not feel obligated to be on an unfailing schedule or even to feed traffic to various nets, only to participate and report. Check-ins and reports are what they are after.

Jess, W4MVB, reports "The Duval County AREC along with the north Florida Amateur Radio Society and the Beaches amateur Radio Society took part in the annual "Good Turn Day" in Duval County. Two meter FM (146.94) was used by the amateurs to coordinate the pick-up operation. This was another operation where Amateur Radio was used for the public good and VHF was the workhorse."

He goes on to say that his two meter antenna fell down in a heavy wind storm. He tells me that he is arranging for skeds into the panhandle with WA4NRP in Panama City on two meter CW at nights and with Dick, WA4FIJ as soon as they all get things fixed up. Then we can try again to get a message from Miami to Pensacola.

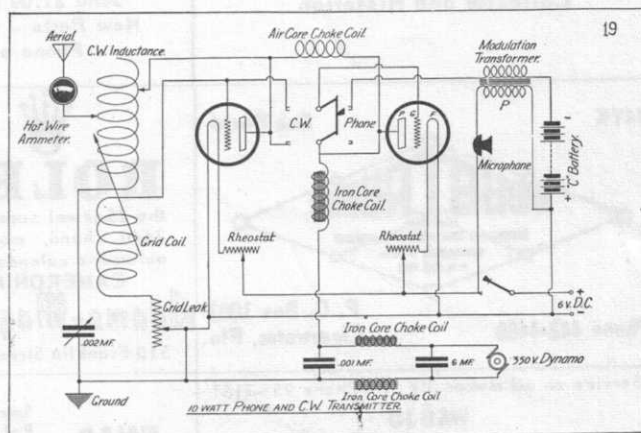
He goes on to tell me that there are a couple of stations in Jacksonville who are on 1296 now. K4PZW and WA4JKY both have converted APX-6 units on the air. K4NSG in St. Augustine also has an APX-6 converted for 1296 so the band may get as crowded as 75 meters someday.

W4GWF has ham TV on 432 now. He is looking for some locals to communicate with. Maybe it will be Slim and Big Mike.

Our new shack is very close to being finished. The final touches should be done shortly and then we will have some pictures taken and maybe they will appear in SKIP. (OK—glad to have it—A.C.)

This is the month for big openings on VHF. Keep your ears peeled at night for two meters and in the daytime for six meters.

See you here next month.



No doubt many of you who hang out on 3940 kc have heard that powerful signal of W4IRA, Herb Tuell of Clearwater, Florida. We got wondering how a signal could be so loud and still operate within FCC limits. Herb was kind enough to send SKIP the above diagram of his famous rig. Gosh, I think I'll build one of those things. Anyone know where I can get a Hot Wire Ammeter?

HAMBAR

NOTE: Florida Skip does not assume any responsibility for condition, price, etc. of any items listed in this column.

This column is FREE to any licensed Radio Amateur who is a subscriber to Florida Skip, limit 3 per year. Additional \$1.00 each. Non-subscribers and non-amateurs \$1.00 each up to 10 lines. All listings are cancelled each month. If your listing is not moved, it will be necessary to relist the following month.

CLASSIFIED and COMMERCIAL ADVERTISING RATES:

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An Advertising inch is measured 7/8" vertically on one column, i.e., 4 columns=40 column inches to a page. Rate card by column inch supplied upon request. FLORIDA SKIP, Advertising Department, P.O. Box 501, Miami Springs, Fla.

FOR SALE: Johnson Invader 200 and Electro Voice mike. Good condx, two yrs old orig ownr. To be sold or placed in storage May 1. \$285.00 Henry Miller, W4VGJ, P.O. Box 1111, Hudson, Fla., Ph 846-2200.

FOR SALE: Original station declared surplus due new Collins lineup; 75A4 S/N 4423 with 3 filters and spkr; 100V with factory installed 200V front-end audio; 600L amplifier and spare tubes; MM2 scope. All guaranteed A-OK, will deliver group 200 miles, make offer. Don Queaney W4ACT, 1870 Fourth St., So., Naples, Fla., Phone MI 2-4166.

FOR SALE: Hammarlund HQ-170 in excellent condition, not a scratch or smudge, \$200.00; National NC-188 good novice rcvr \$85.00. John Attaway K4HF, P.O. Box 205, Winter Haven, Fla. 33881.

FOR SALE: Drake TR-3 must go to meet college expenses. Has DC-3 power supp, MS-3 spkr, and travel suitcase for whole rig. Mint condition. Need \$500-what's your offer? Ron Romeis, WA4WCH, Box 564, Florida Presbyterian, St. Petersburg, Fla. 33733.

FOR SALE: ART-13 xmtrc completely converted with 2500 volt supplies, etc. 400W output 2-18 mcs, RTTY and AM. \$75.00 complete or swap for home brew linear or what have you? Bill Britton, WA4IHH, Rt. 1, North River Shores, Stuart, Fla., Ph (305) 287-4661.

FOR SALE: Collins 75A2A with 3, lkc filter \$195; CE 200-V like new \$450; Collins 30S1 and spare final very clean \$800; Thunderbolt like new \$295; 100-158 Mc AM gear - BC - 640 xmtr \$195, BC-639 rcvr, \$65, BC-638 VFO \$35, RA-42A PS for rcvr \$45.00, all for \$275 with manuals. Billy Yarbrough K4HAO, Lyons, Ga., Ph (912) 526-8340.

FOR SALE: Ham-M rotor and indicator just reconditioned at CDR factory \$65.00. Master Addresser with about 3000 address plates of amateurs in South Florida for sale at very reasonable price. Write to Moe Stabin, K4DJW - 1136 S.W. 74th Court, Miami, Fla. 33144 or phone 226-3332 for additional information.

WANTED: BC-454 in good condition. Brian Clark WN4BQO, 1124 NW 30th Ct., Ft. Lauderdale, Fla. 3311, Ph 565-6905.

FOR SALE: Instructograph std. AC model with ten Cont. Morse code tapes, factory installed oscillator, less headphones \$35 f.o.b. Eugene G. Schroeder K4ZYA, 278 SE 4th Ave., Pompano Beach, Fla. 33060, Ph 942-1189.

FOR SALE: Collins KWM-2 transceiver, MP-1 power supply (DC), 312B4 station control, 516F-2 AC power supply; Webster Bandspanner antenna with mounting; Shure base station mike GE; all for \$895.00. H. Walter Johnston W4TKE, Rt. 1, Box 73A, Archer, Fla., Ph FR 6-5166.

FOR SALE: TXI apache with SB10 adapter and Mohawk RXI all in A1 operating condition and being used every day. \$300.00 takes all and will deliver in Fla. or Ga. Paul R. Hansen, P.O. Box 394, Ponte Vedra Beach, Fla., 32082, Ph (904) 285-6666.

FOR SALE: Collins 312-B wattmeter and Phone patch system, station control. \$100.00 or trade on RTTY gear. H. L. Fishel W4CQZ, Box 759, Ft. Myers, Fla. 33902.

WANTED: Radio tech with Radiotelegraph second class or better starting \$102 per week, tops \$160.00. Call Mr. Winn Freeman at 947-3030. Tropical Radio Inc, Miami, Florida.

WANTED: Heathkit HX 30-6 meter SSB transmitter State Price and condition. Also a WRL meteor SB 175. Floyd W. Hersher, 810 S. Johnson Ave., Lakeland, Fla. 33801.

SALE OR TRADE: Complete Ham Rig: WRL-SB-175 with AC supply, cable, key, xtal for novice 21mc; NC-190 with spkr; Gotham V80, coax; 100 kc xtal cal; 3 manuals. \$200.00 or Drake 2B with Spkr. Jess Sargent W4TEM, 114 Oleander, Neptune Beach, Fla. 32050, 249-5940.

FOR SALE: HT-37 SSB xmtr, A-1 condx, will sacrifice for \$200.00. Homebrew 70 watt novice 40 meter xmtr, from handbook, with key and xtals \$20.00. Service oscilloscope A-1 condx \$25.00. Herb Markovitz WB4CAA, 6357 S.W. 14th Street, Miami, Florida 33144.

FOR SALE: S40A receiver \$30.00. Earl Carter, W4YHW, 260 Westward Dr., Miami Springs, Fla., Ph 888-7442.

FOR SALE: Collins 75A3, mint condition, \$275.00 with spkr. Heath VF1-VFO \$10.00. Hustler 20 mtr mobile antenna \$10.00. Class AB1 40W modulator \$25.00. Globe Chief 30W (needs work) \$10.00. Heath HP-13 DC power supply (4 month old) \$50.00 or trade for HP23 AC supply. Harry Mills, W4EKX, 12260 SW 191 Terr., Miami, Fla. 33157, Ph CE 5-6679.

ANTENNA PACKAGE: TA-33 tri-band, new traps; Alliance rotor with thrust bearing, control box, approx 100' cable; triangular steel tower, cranks down to 15' with beam invisible from street, up to 28' for use without guys. Good condx, move to NY forces sale. \$85.00 total, will ship freight collect. Bob Reinhart WA4HRF, 372 W. Dayton Circle, Ft. Lauderdale, Fla., 3312, Fone 587-6209.

Q.S.O. Party

FLORIDA SKIP, the All Florida Amateur Radio publication, is happy to announce the Second FLORIDA QSO PARTY to be held April 2nd and 3rd, 1966. All Amateurs are invited to participate. Florida amateurs are urged to work as many out of state stations as possible, as well as those within the state.

CONTEST PERIODS: 1400-2000, 0000-0500, 1400-2400, all times GMT.

NO POWER RESTRICTIONS or time limit.

SUGGESTED FREQUENCIES: CW 1815, 3530, 7030, 14, 030, 21, 030, 28, 030, 145, 2 and 50, 230.

CONTACT INFO REQUIRED: Serial number, RST, county for Florida stations, all others state, province or country.

LOGS: All logs must be postmarked no later than April 30, 1966 and mailed to: FLORIDA SKIP, Contest Chairman, P.O. Box 501, Miami Springs, Florida 33166.

See March SKIP, CQ or QST for details.

73,
David L. Hayden, W4WHK
Contest Chairman
Florida QSO Party

FOR SALE: Code practice oscillator Signa Tone with speaker, vol/tone, 110 v. ac. \$10.00. 20 watts 12 inch speaker housed in black metal cabinet. \$10.00, it has 500 ohm or 8 ohm input. Pierson KE-93 mobile amateur band receiver with a.c. and d.c. Pierson power supplies and speaker. \$65.00. RME 600 to 32000 kc preselector, make old receiver like new \$18.00. AR-57 mike and cord. \$4.00 with stand. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, Fla. 33166 Phone 888-3874.

FOR SALE: Hammarlund HQ-110C with clock. Gud condx, manual and original box \$110.00. Kenn Nordine WA4UYO, 4048 SW 8th St., Ft. Lauderdale, Fla. 3314, 581-8895.

FOR SALE: Heath AM-CW Station: Cheyenne xmtr, Comanche rcvr, UT-1 AC supply, mobile mike and mount, \$125; Heath GR-91 general coverage rcvr, \$30; 14AVS trap vertical, 10-40 meters \$10; Unifon telescope, model 114, 2.4" refractor, UNIHEX rotary eyepiece selector, altazimuth mount \$90. Equip in Miami, but contact me at Tampa QTH. John Deegan WA4QLZ/WB4CBD, USF Box AR 702, Tampa, Fla. 33620, Ph. (813) 988-4131 ext. 2317.

FOR SALE: BC-610, complete except 10 meter coils, new cond, de-TV'd. Plug-in vfo units mfg Heath for this rig in 1957. Speech amp and D-104 mike. Control panel - VFO spot, built-in ant sw., 24 hour clock; Super Pro military version with 100 kc and band edge markers built-in and 12"

spkr; Johnson Matchstick, KW version with remote control, less one top mast section. All cables and coax for above. D. L. Hayden W4WHK, 630 River Rd., Orange Park, Fla.

FOR SALE: HQ-170 \$100.00; KUHN 353B AM-FM VHF rcvr \$30.00. Joe Engressia WA4JZT, 9050 SW 117 Ave., Miami, Fla. 33156.

Beautiful women - even if they can't add - can certainly distract.

WANTED: Urgently need schematic and manual on INDUSTRIAL RADIO model PS 150 "PAK SET." Help get another 40F3 stn on 145.94 mc. Jim Eberwine, W4APV, 8118-37th Ave. No., St. Petersburg, Fla., 343-1622.

SO. FLA. VHF TRAFFIC NET

By Al Page, WA4ZEV

The VHFNET has a celebrity, it is net manager Tandy Way, K4YSN. He is on WEDR-FM, 99.1mc at 10:00 PM Monday nights. He has a half-hour show playing country and western music.

VHF operator of the month for January was Lew Elrod, WA4KNO, for his work with MARS. There is no operator of the month for February.

We welcome WA4YTW, Manny on Miami Beach to the net. He is proving to be a good traffic handler. We need more Broward County checkins, so how about it fellas? The net meets Tuesday thru Sunday on 50.200 mc at 0100Z.

See you on the net, 73.

WANTED AMATEUR NEEDED THIRD MONTH

There is a need for any Dade County amateur who holds a General Class license or better to take on the duties of ARRL emergency coordinator. This is a most important job. One of the most important in amateur radio.

With over 1600 amateurs in Dade County do we have just one who is willing to take on this important job?

For further details contact your Eastern Florida Section Emergency Coordinator for ARRL, Andy Clark W4IYT, 41 Lenape Dr., Miami Springs. Phone 888-3874.

Parade Communications

By Ken Stewart, W4SMK

Lee County AREC and/or Civil Defense have provided communications for the Edison Pageant of Light Parade for the past 5 years. On Feb. 12th this year the Fort Myers parade consisted of 130 bands, floats, and other units, took 2 hours to cover the 2 mile parade route, and was viewed by some 100,000 spectators. CD Communications Officer Bob Cornwell, W4HSG, was in charge of communications assisted by Ken Stewart, W4SMK, EC and 11 other AREC members.

In the past various combinations of fixed and mobile 10, 6, and 2 meter gear were employed with varying success. This time a new UHF radio system to be used by CD was tested out, and it proved ideal for the job involved. Two meter AM was used sparingly, and a back up CB net proved useless due to high downtown noise levels. The UHF system used FM on 460 Mc. clear channel, and had a repeater base station to give county wide coverage. The parade set up consisted of a base station at Pageant Headquarters; which was the starting point, 5 mobile units in the parade itself, 5 handi talkie units located with various officials, and another base station at the high school stadium, terminus of the parade, where a show was presented.

The handi talkies proved most valuable since they were small light weight units that could be easily carried by the parade officials all day while forming up the units and handling the many problems that always arise. These people thus had reliable contact without being tied to a mobile rig. The parade



W4NTR - - Amateur Radio Station, and NAVY MARS Station NOASM. Located at U. S. Marine Corps Headquarters, Henderson Hall, Arlington, Virginia, Chief Operator is 1st Sgt. K. G. Boxo, K4PYV, whose home is now, and forever will be, the Sunshine State. On daily with the Intercontinental Amateur Traffic Net, 14330 kc, 1200Z to 1500Z, doing what we can to get the traffic through and further good relations with our neighbors down south. The 'happiest' signals we hear on this end, emanate from the folks in south Florida. If we can be of service, you call, we haul.

marshall and others had high praise for the results obtained with this system.

A real emergency developed early in the parade when a member of a motorcycle drill team accidentally ran into a crowd and injured several people. The radio net was used to relay a call for ambulances, and in about 15 minutes the parade was resumed. It was then a problem coordinating the progress of the parade with the stadium show so that the two did not conflict, but this was also worked out successfully.

Most of the AREC members had participated in the previous parades and they agreed that the knowledge gained from past experience combined with the flexible new communications gear paid off handsomely this year. The following Amateurs participated: Bob Propp, WA4GYA stationed along the route; G. E. Sammons, WA4DQE and Herb Reaves, W4KET at the stadium; John Hayford, WA4HFB at the base. In the parade sections were Harry Fishel, W4CQZ, Bill Heuckel, K4RQY, Jim Midgley, K4ZAP, Jack Carlson, WA4GTJ, and Bill Walker, WA4SCW. Installation and service of equipment was handled by Ed Roller, W4WYJ and Don House, W4WZA of Charlotte Electronics.

We would encourage other AREC groups to help out with similar community projects, and we would be glad to share our experiences in detail with any who may be interested.

160 METERS

By Dave Hayden W4WHK

I had hopes of doing a series of technical articles on 160 gear and operation to help some of you get a start on this band during the later part of 1965 or at least early '66. However, any writing from here was precluded by a trip over to XV5 land to help the malaria control program for the Navy and Marines—so, in the words of the avid contester "wait until next year." We're three months into that, and the best part of the 160 season is rapidly coming to a close down here - but it wouldn't be too early to start plans for the late '66 season. 160 can be useful for a number of operations, even with simple gear and antennas; reliable short range QSO's, 80 meter liaison when the skip is bad (and it will be next fall and winter), and just plain fun on a challenging band.

For those of you who would like to get your feet wet with a simple construction job, W4MLE has designed and built a rig from scratch that should fit the bill for many of you, complete with vfo, and designed for QRO for daylight hours, or when someday, we get a chance to run more power in Fla. If there is enough interest, let me know by postcard or ARL 7, and I think we can make some arrangements to get the schematic published. I have several good ideas on antennas for even small city lots, and will be glad to pass them on if anyone is interested. Mine takes up but 60 feet of horizontal space! There is one nice thing about gear for this band: very little is really critical for a very satisfactory operation, long leads and short antennas will do an amazing job.

From January on, when I did operate, the season was successful. After rebuilding part of my rig for better efficiency, experimenting with both horizontal and vertical antennas, some careful listening, and no doubt, some luck, I made it across the pond several times with my powerful 24 watts. At present, I am the proud possessor of a DL and GI card, with a G and HBØ card coming (I hope!), and I lack only 12 states (tuff ones) for WAS, all in a couple of years operation. It can be done on the top band, even from Fla., with patience and a few late nites operation. Skeds anyone, before the summer QRN sets in? 73, Dave.

New Publication

Howard Sams Photofact Publications announces the 3rd edition of the North American Radio-TV Station Guide by Vane A. Jones.

This handy size publication contains over 7,500 stations listed by city, state and frequency. It has over 5,000 AM radio stations, 1,500 FM stations and 1,000 VHF and UHF TV stations.

Every good amateur at one time or another was a SWL. Take it from me, listening for BC-DX can be real relaxing fun in the evening.

Did you know there is a BC station listed on 1180 kc that runs one million watts? There are two VOA stations in the Florida Keys running 50KW beamed at Cuba. They are the only two VOA stations permitted on the BC band in the USA.

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